

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A light assembly comprising:

a thermally conductive housing, said housing having a bottom portion and a top portion, an interior surface of said housing defining a hollow, an exterior surface of said housing being an exterior surface of the lighting assembly;

a thermally conductive base, ~~said base located at~~ composed of a single thermally conductive material, said base being connected to said bottom portion of said housing, an exterior surface of said base being another exterior surface of the light assembly;

at least one infrared (IR) light emitting diode disposed at attached to an interior surface of said base, said IR light emitting diode adapted to emit infrared light, said infrared light being non-coherent and non-directional; and

at least one collimating lens connected to said top portion of said housing, said collimating lens adapted to collimate infrared light to produce a beam of infrared light output from the light assembly;

wherein said infrared light emitted by said IR light emitting diode radiates in a direct path through said hollow, the direct path leading from said IR light emitting diode to said collimating lens, and

said base directly transfers heat generated by said IR light emitting to the exterior of the light assembly.

2. (Original) The light assembly of claim 1, wherein said housing and said base are comprised of aluminum.

3. (Original) The light assembly of claim 1, wherein said housing is substantially cylindrical.

4. (Original) The light assembly of claim 1, wherein said base is integrally connected to said housing.

5. (Previously Presented) The light assembly of claim 23, wherein said aspheric lens has a focal point, and said light emitting diode is offset slightly from said focal point.

6. (Previously Presented) The light assembly of claim 23, wherein said aspheric lens has a substantially flat inner surface and a convex outer surface.

7. (Original) The light assembly of claim 1, wherein said light assembly is adapted to provide infrared light having a NVIS radiant intensity greater than about 2.

8. (Original) The light assembly of claim 1, wherein said light assembly substantially maintains a predetermined operating temperature such that the peak emission of said light emitting diode is substantially maintained.

9. (Original) The light assembly of claim 8, wherein the peak emission of said light emitting diode is substantially maintained at about 880 nm.

10. (Original) The light assembly of claim 1, wherein the power requirement of said light assembly is in the range from about 10 watts to about 20 watts.

11. (Original) A lamp head having the light assembly of claim 1, wherein said light assembly is a unit located within said lamp head.

12. (Currently Amended) A light assembly comprising:
a thermally conductive housing, said housing having a bottom portion and a top portion, an interior surface of said

housing defining a hollow, an exterior surface of said housing being an exterior surface of the lighting assembly;

a thermally conductive base, said base composed of a single thermally conductive material, said base being connected to said bottom portion of said housing, an exterior surface of said base being another exterior surface of the light assembly;

at least one infrared (IR) light emitting diode disposed at said base, said light emitting diode adapted to emit infrared light, said infrared light being non-coherent and non-directional;

at least one thermal electric cooler connected to said light emitting diode, said at least one thermal electric cooler adapted to dissipate heat generated by said light emitting diode to minimize light emission outside the infrared spectrum of radiation; and

at least one collimating lens connected to said top portion of said housing, said collimating lens adapted to collimate infrared light to produce a beam of infrared light output from the light assembly;

wherein said infrared light emitted by said light emitting diode radiates in a direct path through said hollow, the direct path leading from said IR light emitting diode to said collimating lens, and

said base directly transfers heat generated by said IR light emitting diode to the exterior of the light assembly.

13. (Original) The light assembly of claim 12, wherein said at least one thermal electric cooler is positioned between said base and said light emitting diode.

14. (Original) The light assembly of claim 12, wherein said housing and said base are comprised of aluminum.

15. (Original) The light assembly of claim 12, wherein said housing is substantially cylindrical.

16. (Original) The light assembly of claim 12, wherein said base is integrally connected to said housing.

17. (Previously Presented) The light assembly of claim 24, wherein said aspheric lens has a focal point, and said light emitting diode is offset slightly from said focal point.

18. (Previously Presented) The light assembly of claim 24, wherein said aspheric lens has a substantially flat inner surface and a convex outer surface.

19. (Original) The light assembly of claim 12, wherein said light assembly is adapted to provide infrared light having a NVIS radiant intensity greater than about 2.

20. (Original) The light assembly of claim 12, wherein said light assembly substantially maintains a predetermined operating temperature such that the peak emission of said light emitting diode is substantially maintained.

21. (Original) The light assembly of claim 12, wherein the power requirement of said light assembly is in the range from about 10 watts to about 20 watts.

22. (Original) A lamp head having the light assembly of claim 12, wherein said light assembly is a unit located within said lamp head.

23. (Previously Presented) The light assembly of claim 1, wherein the collimating lens is an aspheric lens.

24. (Previously Presented) The light assembly of claim 12, wherein the collimating lens is an aspheric lens.